

Application Serial No: 10/580,157

Responsive to the Office Action mailed on: November 27, 2007

### **REMARKS**

This Amendment is in response to the Office Action mailed on November 27, 2007. Claim 1 is amended editorially and is supported, for example, in the specification on page 6, lines 23-24, page 7, lines 10-12 and in Figures 1 and 2. No new matter is added. Claims 1-8 are pending.

#### **Specification Objections:**

The disclosure is objected to for informalities. In particular the term "sold" used page 9, line 26-page 10, line 4 is objected as being an error. The specification is amended at page 9, line 26-page 10, line 4 to replace the term "sold" with the term "solid". Withdrawal of this rejection is requested.

#### **§103 Rejections:**

Claims 1-8 are rejected as being unpatentable over Ehlert (US Patent No. 5,168,344) or in view of Budd (US Patent No. 3,793,064). This rejection is traversed.

Claim 1 is directed to a circuit board that requires, among other features, a metal member that includes a welding portion and a terminal welded to the welding portion of the metal member.

Neither Ehlert nor Budd teaches or suggests these features. Ehlert is directed to a ceramic electronic package that includes a metal lid (45), which the present rejection interprets as the metal member of claim 1. Ehlert does discuss welding the metal lid (45) to a seal ring (44) (see column 5, lines 23-27 and Figure 3 of Ehlert). However, the seal ring (44) is defined in the present rejection as a hermetic zone (46) which would provide as a hollow cavity or air gap between the welding portion of the metal member and the base board. Thus, Ehlert cannot teach or suggest a terminal welded to the metal lid (45), as required by the metal member of claim 1.

Budd is directed to a cavity metallization of semiconductor packages that includes a metal cap (19), which the present rejection interprets as the metal member of claim 1. Budd merely discusses soldering the metal cap (19) to a gold seal ring (9) (see column 4, lines 3-8 of Budd). However, nowhere does Budd teach or suggest a terminal welded to the metal cap (19), as required in claim 1. For at least these reasons claim 1 is not

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the metal cap (19), as required in claim 1. For at least these reasons claim 1 is not suggested by either Ehlert or Budd. Claims 2-8 depend from claim 1 and should be allowed for at least the same reasons.

Conclusion:

Applicants respectfully assert that claims 1-8 are in condition for allowance. If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Douglas P. Mueller (Reg. No. 30,300), at (612) 455-3804.



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Respectfully submitted,

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